FAIRBURY WATER DEPT.

- 1887 Fairbury Water works was installed, it consisted of a 25' deep by 25' diameter open well, a wooden slevated tank and lower and about 3300 feet of 8" marin water line. Water was pumped by a steam pump to the distribution system + tanks.
- 1892 the dug well was abandoned and a new well was drilled at a depth of 2,000 ft.
 - 1898 Two collecting reservoirs were built
 - 1899 a new wooden touls was built on a brick tower
 - 1913 this tanks was replaced by a steel one
 - 1916 Well no. 2 was drilled to a depth of 2172 ft.
- 1926 Will no 3 was drilled to a depth of 1586 ft.
- 1935 a new plant was built at over present site titelling
- 1935 well no 1 at the water plant was drilled at a depth of 39ft. 1935 well no 2 " " " " " " 40.ft.
- -1935 well no 2

NOTE: The water was very hand state plant was built to utilize Line, Lodo ask and aliem to soften the water. It had a mixing boin, settling basin, two sandfelters and a cliver well (storgage toute under ground of 80, songal, water) and I high service pumps to pump water to low.

1960 Well no 3 was drilled at a depth of 57ft.

- 1969 Our present plant was builto

The water goes through an areator to take out the hydrogen sulfite yas and iron. Thou through chanceal fueder Line, soda ask and allem o Upplow Clarifier to mix the chanie. our settle them out to sapten the water. a carbon Digniels contact take to recorbonate the water and adjust the P. H. of the water so that it will not over coator leave a film

on your sixing or make it agressive and actually eat the piping up. We then add chlorine to disinfect the evater, Elivide for dental care, and Polyshade to central film beild up on our sand medias. We now have a granty seems filters to take any sarry over line oit & We have a new clear well (storage tank at the plant underground that holds 282,000 gal. of water. 3 high service pumps to pump water to town the water tower. The water entering the slout is around 450 PPM of hardness on 30 grains, cafter treatment it ranges from 80 to 140 PPM or 8 grains of hardness . The plantimaximum dirige is 950 Carallons per minute. Over average pumpage for the year is 345 gal/minute. The plant is operated and maned 24hr. I day every elay. 1948 our present tower was built, the ball is 32 feet in diameter and 31fat tall for water storage. The over sell hight is 118 feet from ground to lop of tower . The tower holds 150,000 spellous of water. it basically is for water pressure so we can maintain around 50 Dounds of presieve to everyone and for notallwater goes to the tower first. Most of the lines are looped (tud together) so if their is a demand the water well go down that line and not to the tower. The lower is drawing some every day and refelled in the evening. This system requires a Class A certified by the ILL. E. P. A. to operate. Presently we have Lucy Mc Phuseen and Duane effet as class A operators. There is the

highest certification in the State of all.

Presently we save around 1, 478 properties

11 " 3,643 people.

We have 162 Fine Highrants

We pumped 139, 156,000 pal. to town 199. The average townspion 104 gate/ never / day We metered 113,652,300 gal 1992 The average Consumption * 85 yal person lay * note 25,503,700 used for the Fires and or loss due to main breaks + leaks. On new construction we are required to pressure test cell new lines and sond in bosteral somples + pass thom before we son put this line in service. The Federal E. P. D. + Ill. EPA require con extern testing program. (note insert) Page 1 - batteria sampling I time / provide Page 2 - NITRATE'S 4 Times/year/GTR Page 3- A.I.LORGANIC COMPOUNDS " " Page 3- A. INORGANIC COMPOUNDS "
the occur naturally wort of the time B. Synthetic Conground of times figure 19TR. there are pesticides + form showing c. Politæl compounds 4 times/egea/Qte. these are chancoals used. Page 4. Distribution Samples to check for chemicals in our treated water if present. - The Next year the for Federal EPA. well require 25 more new chomicals added to our list beside the present ones we have to test for

Fairlung has woon soveral Electricle awards for maintaining a level of 1800.8 to 0.8 PPM to 1.2 PPM of Fluorical in our system. as noted by the test we are not in violation of any clamical or boaterial limits. They have you think our water is safe, often looking at cell the testing we have to do?



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY MICROBIOLOGICAL ANALYSIS REPORT FORM

DIVISION OF PUBLIC WATER SUPPLIES

Samples must reach lab within 30 Hours after collection.

Public Water Su	pply Name:	No ve	¥	×	/ . -		- /	1-11	CEUX III		
County:				1 ((1-11ME/MONIA SENDING)						
Facility Number:					Date and Time in Laboratory: ANY BACTERIA DRIMARY IS FECAL						
Mail Report To:				5. Date	Collected	d:	1	1/ 1/ N/ NA	N/)3		
-ame:									•		
ddress					ole Collec						
ost Office:	State				7. Sample purpose: Routine New Construction - Permit No FY19						
OLLECTOR: Fill in shaded area only. Type or use black ball point pen. See everse side for explanations and instructions.				Check sample Replacement Other 8. Contact person for unsatisfactory samples: Name: Phone Number:							
9	thorized to require information under uired. Failure to do so may result in a ure continues, a fine up to \$1,000.0 ter.	CIVII DADA	Ity un to \$	10 000 N	O and an	addisia	and sinil manal		** *** ***		
Bacterio	logical Samples (Glass Bottles)				11		12.	13.	14.		
ottle amber Sa	ampling Point	Sample Type	Time Collected	Res.	Sample Amt	Col- onies Read	Total Coliform per 100 ml (by MF)	1	Laboratory number		
					-						
•											
	chemical samples (Plastic Bottles)	15 Alk	alinity	16.	17	18.	19.	20.			
or D Sa	mpling Point	Р	Total	Hardness	рН	Iro	n Nitrate				
	*						,				
ported by	Date:		Co	mpleted re			stained for mini Use Only-	mum of 5	years.		
WS Notification fo	or Unsatisfactory Results	_					750 Only-				
rson Notified:	Date:		,	T-1	1100	2 TT	Felmu	and.	2		
of Bottles Sent											
te Bottles Sent					the 19th was to be a first to the	THE PER CHAPTER THAT I	and the second second	DE STATE OF STATE OF STATE OF			
ason for Replacem	ent:										
3 Samples more t	than 30 hrs. old										
No Date/Time o	f Collection										
532 - 0123											

4-TIMES/4

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : 8400445

SAMPLING POINT DESC. : FAIREURY

SUBMITTING SCURCE # : 105035001 DATE COLLECTED : 940111

TIME COLLECTED : OCCO SAMPLING PROGRAM : NN

COLLECTED BY : LEROY MCPHERSON DELIVERED BY : MAIL

COMMENTS :

FUNDING CODE : PW32 AGENCY ROUTING : 00 SAM TYPE COCE : FPHS UNIT CODE :

SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR : 8

DATE RECEIVED : 940112 TIME RECEIVED : 1000 LAB OBSERVATIONS : RECEIVED BY : PMD TRIP BL SAM# :

SUPERVISORS INITIALS : RPF NOTE : K = LESS THAN VALUE

POO630 NITRATE&NO2-NTOTAL MG/L : 0.1K P00615 NITRITE-N MG/L : 0.1K PODESO NITRATE-N MG7L : 0.1K



A. Chargania Required IOCs 4-TIMES/Agr. B. Southetic SOC's

Fed. Regula Element	ted Phase Storet	No.	E IIb	IOC	
Barium	01007				
Cadmium	01027				-
Chromium	01034				
Fluoride	00951				_
Mercury	71900				
Selenium	01147				
Fed. Unreg. Element	Ph. II , Storet		. V ,	Prop.	IOC
Antimony	01268				
Beryllium	01012				
Cyanide	00720				
Nickel	01067				
Sulfate	00945				
Thallium	01324			***********	

C. Volital VOC'S

1. Phase I Regulated Chemicals
Parameter
Benzene
Carbon Tetrachloride
1,2-Dichloroethane
1,1-Dichloroethlyene
para-Dichlorobenzene
1,1,1-Trichlorcethane
Trichloroethlyene
Vinyl Chloride
2. Phase II Regulated Chemicals
Chlorobenzene
o-Dichlorobenzene
cis-1,2-
Dichloroethylene
trans-1,2-
Dichloroethylene
1,2-Dichloropropane
Ethylbenzene
Styrene
Tetrachloroethylene
Toluene
Total Xylene
3. Phase V Regulated Chemicals
Dichloromethane
1,1,2-Trichloroethane
1,2,4-Trichlorobenzene

1. Phase II Regulated Chemicals	
Parameter	
Atachlor	
Aldrin^^	
Atrazine	
Carbofuran	
Chlordane	
DDT^^	
1,2-Dibromo-3-	
chloropropane (DBCP)	
2,4-Dichloro-	
Phenoxyacetic Acid (2,4-D) Dieldrin^^	
Endrin^^	
Ethylene Dibromide (EDB)	
Heptachlor	
Heptachlor Epoxide	
Lindane	
Methoxychlor	
Pentachlorophenol (PCP)	
Polychlorinated Biphenyls	
(PCB's)	
Toxaphene	
2,4,5-TP (Silvex)	
2. Phase V Regulated SOCs (Phase II	
Unregulated SOCs)	
Parameter	
Aldicarb [^]	
Aldicarb Sulfone	
Aldicarb Sulfoxide	_
Benzo (A) Pyrene	-
Dalapon	-
Di (2-Ethylhexyl) Adipate	
Di(2-Ethylhexyl)Phthalate Dinoseb	
Diquat	
Endothall	
Glyphosate	
Hexachlorobenzene -	
Hexachlorocyclopentadiena	
Oxamyi (Vydate)	
Picloram	
Simazine 2,3,7,8-TCDD (Dioxin)	
(0.0%111)	
3. Additional Phase II	
Unregulated Chemicals	
Parameter	

Butachlor Carbaryl

Metribuzin Propachlor

Dicamba
3-Hydroxycarbofuran
Methomyl
Metolachlor